INDEX TO VOLUME LIX

(* Indicates new genera, names, etc.)

ALEXANDER, C. P. Dr. Alfonso Dampf Tenson (1884–1948) 89
Undescribed species of crane-flies from the western United States and Canada. (Diptera: Tipulidae) Part IX 121
Idem, Part X 207
BARBER, G. W. (See under Hagmann)
BARR, W. F. A new genus and species of Buprestidae from southern California (Coleoptera) 69
BERNER, L. A new species of mayfly from Tennessee ... 117
BICK, G. H. Dragonflies collected from Beaufort County, South Carolina, during the fall of 1945 202
BLISS, R. Q. and R. G. SCHMIEDER. Current entomological literature 216, 245
BLISS, R. Q. and T. M. TELSCH. Current entomological literature 103, 133, 158, 190
(See also under Moul)
BRELAND, O. P. Two migrations of the snout butterfly, Libytheana bachmanii larvata (Strecker) (Lepidoptera: Libytheidae) 128
Notes on some carnivorous mosquito larvae 156
BRELAND, O. P. and L. H. SCHMITT. The biology of two sunflower gall makers (Diptera: Cecidomyiidae; Lepidoptera: Lyonetiidae) 225
BROWN, W. L. Strumigenys karawajewi, new name for a Sumatran ant 44
The status of the genus Hercynia J. Enzmann (Hymenoptera: Formicidae) 102
CHAMBERLIN, R. V. A third species in the chelodesmid genus Semionellus (Diplopoda) 258
DOS PASSOS, C. F. The occurrence of anthoxanthins in the wing pigments of some nearctic Oeneis (Rhopalocera: Satyridae) 92

DREISBACH, R. R. A new species of the genus Tachytes from Michigan (Hymenoptera: Larridae) 151
EADS, R. B. and G. C. MENZIES. Additional records of bat parasites of the family Nycteribiidae 244
EDMUNDS, G. F. The mayfly genus Lachlania in Utah .. 43
The nymph of Epheron album (Ephemeroptera) 12
EMERSON, K. C. A species of Malloghapa from the sanderling 178
EVANS, H. E. Biological notes on two species of Anoplius (Hymenoptera: Pompilidae) 180
FOX, I. New Uropodinid mites associated with rats in Puerto Rico 169
FOX, R. M. Roswellia, a new genus of Ithomines 131
FREEMAN, H. A. Notes on some North American skippers, with the description of a new species from Kansas (Lepidoptera: Hesperiidae) 203
FREEMAN, T. N. The correction of a genotypic citation for the genus Choristoneura Led. 202
HAGMANN, L. E., G. W. BARBER, E. B. STARNES and O. STARNES. Evening flight habits of a male tabanid 257
HULL, F. M. Some neotropical species of syrphids 1
HYLAND, K. New records of Pennsylvania caddis flies (Trichoptera) 38
KNOWLTON, G. F. and S. L. WOOD. Utah Buprestidae .. 41
KNULL, J. N. New species of Agrilus with notes (Buprestidae and Eucnemidae) 72
KROMBEIN, K. The identity of the male Pseudomethoca simillima (Smith). (Hymenoptera: Mutillidae) 187
LA RIVERS, I. A re-definition of the tribe Edrotinae (Coleoptera: Tenebrionidae) 141
Notes on the Eleodini (Coleoptera: Tenebrionidae) ... 96
LIU, C. L. Contributions to the knowledge of Chinese Coccinellidae. IX. On a new Serphid parasite of the larva of Epilachna admirabilis in Kunming 146
MENZIES, G. C. (See under Eads)
MICHENER, C. D. Review: The stingless bees (Meliponidae) of the Western Hemisphere 83

MOUL, E. T. and R. Q. BLISS. Current entomological literature 17, 45, 76
PATE, V. S. L. A new Isodontia from Cuba (Hymenoptera: Sphecidae: Chlorionini) 185
A minute on Chyphotes Blake, 1886 (Hymenoptera: Mutillidae) 41
PHILLIPS, V. T. Review: The Insect Guide 223
REHN, J. A. G. Morgan Hebard (1887–1946) (with portrait) 57
Replacement of two preoccupied names of Tetrigidae (Orthoptera: Acridoidea) 154
REHN, J. W. H. Permanent mounts of dissections to be kept with pinned specimens 242
ROBINSON, M. A new species of Anaides from Peru (Scarabaeidae: Coleoptera) 35
A new species of Aphodius with notes on others (Coleoptera: Scarabaeidae) 113
A new species of Canthon from Venezuela 37
Remarks on a few Scarabaeidae 175
Two new species of neotropical Scarabaeidae (Coleoptera) 149
SABROSKY, C. W. Review: The blowflies of North America 26
SCHMIEDER, R. G. Review: A catalogue of insecticides and fungicides 55
Review: A textbook of agricultural entomology 167
Review: Basic botany 55
Review: Vegetable insects 167
SCHMIDT, E. Calopteryx versus Agrion: again? 197
SCHMITT, L. H. (See under Breland)
SCHWARTZ, H. F. Theodore D. A. Cockerell (with portrait) 85
SHERMAN, F. Coreidae of South Carolina in comparison with North Carolina (Hemiptera) 15
STARNES, E. B. (See under Hagmann)
STARNES, O. (See under Hagmann)
TELSCH, T. M. (See under Bliss)

TOWNES, H. Czechoslovakian insect pins now available.. 75
WEBER, N. A. Observations on the incidence of ticks on Kenya mammals 235
Opportunities for entomological research in the Arctic.. 253
Termite-eating Pheidole larvae (Hymenoptera: Formicidae) 31
WEISS, H. B. Rudolf William Glaser, 1888–1947 29
WILLIAMS, J. L. Notice: Catalogue des Lépidoptères ... 215
WORTH, C. B. The unexplored world (a sonnet) 189
WOOD, S. L. (See under Knowlton)

GENERAL SUBJECTS

Anoplius, biological notes on . 180
Anthoxanthins in wing pigments 92
Ants eat termites 31
Arctic, opportunities for research in 253
Calopteryx versus *Agrion* ... 197
Carnivorous mosquito larvae . 156
Catalogue des Lépidoptères .. 215
Collections: H. H. Smith, Chalcid 17
Evening flight of Tabanus ... 257
Gall makers of sunflower 225
Insect pins, Czechoslovakian . 75
International meetings 44
Migrations of snout butterfly . 128
Permanent mounts of dissections kept with pinned specimens 242
Pigments and systematic position in Rhopalocera 92
Sonnet (Unexplored world) . 189
Sunflower galls 225
Termite-eating *Pheidole* larvae 31
Ticks from Kenya Mammals. 235
Unexplored world (sonnet) .. 189
War losses: Musea de La Salle, Bogotá 103

OBITUARY NOTICES

Cockerell, T. D. A. 85
Cresson, E. T., Jr. 76
Dampf Tenson, A. 89
Glaser, R. W. 29
Hebard, M. 57
Torre-Bueno, J. R. de la .. . 91

PERSONALS

Comstock, J. A. 215
Hodge, C., IV 120
Michener, C. D. 174
Painter, R. H. 215
Robinson, M. 120
Schmieder, R. G. 120

REVIEWS

A textbook of agricultural entomology 167
Basic botany 55
Blowflies of North America .. 26
Chemical insecticides 55
The blowflies of North America 27
The insect guide 223
Vegetable insects 223
Wasmann collector 103

GEOGRAPHICAL DISTRIBUTION

Alaska: Dipt., Hym., Trich., Siphon., Anopl., Malloph. 254–256
Arizona: Dipt. 207–214
Bolivia: Odon. 4
Brasil, Odon. 5, 7, 9, 12
California: Col. 72, 74
Canal Zone: Col. 149
Colorado: Dipt. 123, 125, 127
Costa Rica: Col. 151
Cuba: Odon. 2; Hym. ..186, 187
Haiti: Odon. 10
Kansas: Lep. 205
Kenya: Acarina 235
Michigan: Hym. 153
Montana: Dipt. 127
North Carolina: Hemip. 15
Oklahoma: Lep. 205
Pennsylvania: Trich. 38
Peru: Col. 35
Puerto Rico: Acarina 170, 171, 172, 173
South Carolina: Odon. 202; Hemip. 15
Tennessee: Ephem. 120
Texas: Lep. 203, 205, 206; Diplop. 259
Utah: Col. 41; Ephem. 43
Venezuela: Col. 37
Yukon: Col. 114

COLEOPTERA

admirabilis, Epilachna, parasite 146
aleutus, Aphodius 114
arens, Edrotes 145
bifurcatus, Canthon* 37
Blaptinae 97
Buprestidae of Utah 41
chapini, Anomala* 150
chiriquensis, Phanaeus 175
cochisei, Agrilus* 72
depressus, Onthophagus 177
Edrotini, re-definition 141
Eleodes 98
Eleodimorpha 98
Eleodini, notes 96
Eleodini, key to 98
Embaphion 98
ereptus, Deltometopus 75
granarius, Aphodius 116
haldemani, Aphodius 116
hopfneri, Onthophagus 176
knulli, Trichinorhipis** 71
Lariversius 97
leptotarsis, Aphodius 115
mirabilis, Juniperella 74
oculatus, Pachyschelus 74
ovatulus, Ataenius 177
pilosus, Trichillum* 149
Pimeliopsis 144
purpureus, Pachyschelus 74
rotundus, Edrotes 145
rugosa, Anaides* 35
*Trichinorhipis** 70
Trogloderus 97
uvalde, Pachyschelus 74
ventricosus, Edrotes 144
yukonensis, Aphodius* 113

DIPTERA

antrozoi, Basilia 244
asthenia, Baccha* 4
Baccha 1
biacus, Gonomyia* 209
Calliphoridae in Arctic 254
carmelita, Baccha* 9
Carnivorous mosquito larvae . 156
Copromyza sp. 254
corynorhini, Basilia 244
Diptera in the Arctic 254
estrelita, Baccha* 1
filiformis, Gonomyia* 211
fontinalis, Leptocerca 254
fulvivauda, Prionocera* 121
Galls of *Trishormomyia* 225

giganteus, Tabanus, evening flight 257
harlequina, Baccha* 10
helianthi, Trishormomyia 225
howardii, Psorophora 156
leucopoda, Baccha* 5
mulaiki, Tipula* 123
Nycteribiidae 244
perflavens, Erioptera* 212
plutonia, Baccha* 2
sagittifera, Tipula* 125
semifacta, Limnophila* 207
septentrionalis, Megarhinus .. 156
sperryana, Gonomyia* 209
stolidus, Molophilus* 213
tarandi, Oegemagena 254
vampyra, Baccha* 7

HEMIPTERA

Coreidae 15
Coreidae of North Carolina and South Carolina 15

HYMENOPTERA

acervorum canadensis, Leptothorax 255
Anoplius, biological notes on . 180
brevis, Torymus 230
Chalcidoidea, Smith Collection 17
Chyphotes 41
cyaniceps, Eupelmus 234
geryon, Pseudomethoca 187
Hercynia 102
ithaca, Anoplius* 180
karawajewi, Strumigenys,* new name 44
Leptacis 230
marginatus, Anoplius 183
Microbracon sp. 234
moderatus, Bombus 255
norvegica marginata, Vespula. 255
Pheidole larvae eat termites .. 31
Platygaster sp. 230
poeyi, Isodontia* 185
quadrifasciatus, Tachytes* ... 151
Serphid parasite of *Epilachna* 146
Tetramorium 102
tylodermata, Eurytoma 234
Wasmannia 102

LEPIDOPTERA

acrisione, Athesis 132
Anthoxanthins in wing pigments 92
bachmanii larvata, Libytheana 128
cairnesi, Oeneis 94
Catalogue des Lépidoptères .. 215
chryxus, Oeneis 94
clearista, Athesis 132
diversana, Tortrix 202
eulogius, Atrytone 205
fumiferana, Choristoneura 202
fusicola, Bucculatrix 225
Galls of *Bucculatrix* 225
ivallda, Oeneis 94
metea licinus, Hesperia 203
Migrations of Libytheana ... 128
nahanni, Oeneis 93
Oeneis, Anthoxanthins in wing pigments of 92
percosius, Cobalus 206
Pigments in wings 92
*Roswellia * acrisione* 132
rusticana, Tortrix 202
Skippers, notes on 203
taygete, Oeneis 94
turneri, Atrytonopsis* 205
uhleri, Oeneis 93
undulatus, Urbanus 203
varuna, Oeneis 93

ODONATA

Calopteryx versus Agrion ... 197
Dragonflies from South Carolina 202

ORTHOPTERA

Barytettix 155
Marshallacris, new name 155
Moluccasia, new name 155
Tetrigidae, preoccupied names in 154
Thymoites 155

SMALLER ORDERS

album, Ephoron, nymph (Ephem.) 12
albus, Actornithophilus* (Malloph.) 178
Collembola in the Arctic 254
Corrodentia, Arctic 255
Ephemeroptera, nymph of *Ephoron* 12
Lachlania (Trich.) 43
mephitidis, Trichodectes 256
parryi barrowensis, Citellus (Siphon.) 256
praeterita, Grensia (Trich.) .. 255
spinulosum, Colpocephalum (Malloph.) 178
Termites, eaten by ant larvae 31
trichechi, Anarctophthirus (Anopl.) 256
Trichoptera of Pennsylvania .. 38
tusculanensis, Isonychia* (Ephem.) 117

NON-HEXOPODA

cassida, Uroobovella* (Acar.) 171
Chilopoda, Arctic 255
marmorea, Fuscuropoda* (Acar.) 170
Mites, Arctic 255
ovata, Fuscuropoda* (Acarina) 169
praeacutus, Leiodinychus* (Acar.) 171
simplus, Leiodinychus* (Acar.) 172
Spiders, Arctic 255
tertius, Semionellus* (Diplopod) 258
Ticks from Kenya mammals, list of 235